

ENVIRONMENTAL CHECKLIST

RCW 197-11-960

Purpose of Checklist:

The State Environmental Policy Act (SEPA), Chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal if it can be done), and to help the agency decide whether an EIS is required.

Instructions for Applicants:

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply". Complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

ENVIRONMENTAL CHECKLIST

A. BACKGROUND

1. Name of proposed project, if applicable:
King County International Airport (Boeing Field) Secondary Runway 13L-31R Rehabilitation_____
2. Name of applicant: King County International Airport
3. Address and phone number of applicant and contact person:
John D. Current
King County International Airport
7233 Perimeter Road S.
Seattle, WA 98108
4. Date checklist prepared:
July 2, 2001
5. Agency requesting checklist:
King County - DCFM
6. Proposed timing or schedule (including phasing, if applicable):
Summer, Fall, 2001
7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.
No other activities are associated with this proposal.
8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.
No other environmental information has been prepared for this proposal.
9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.
No such applications are known.
10. List any government approvals or permits that will be needed for your proposal, if known.

King County Grading Permit

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)

The proposed project is rehabilitation of the secondary runway 13L-31R. The rehabilitation work includes only maintenance and safety improvements – no expansion of use is proposed. Rehabilitation work will include 3,700 lf of pavement rehabilitation (surface grinding and overlay); rehabilitation of the transitions into connecting taxiways; rehabilitation of taxiway crossings due to rutting; minor lowering of adjacent turf areas; installation of new underground electrical conduit; installation of new flashing REILS at thresholds; installation of lighted "Distance To Go" signs along one edge of the runway; and installation of a new sub-drain system.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

King County International Airport (Boeing Field) is located between Interstate 5 and East Marginal Way, south of Ellis Avenue/Albro Place, in King County Washington. (Section , Township N, Range __ E, WM) Runway 13L-31R is located on the eastern edge of the airport.

B. ENVIRONMENTAL ELEMENTS**1. Earth**

- a. General description of the site (circle one): flat, rolling, hilly, steep slopes, mountainous, other.

The project site is flat.

- b. What is the steepest slope on the site (approximate percent slope)?

N/A

- c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.

Runway 13L-31R is now paved.

- d. Are there surface indications or history of unstable soils in the immediate vicinity? if so, describe.

Yes – Pavement cracking due to earthquake

- e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

- *The top 2- to 6-inches of turf adjacent to the runway will be removed and the area reseeded.*
- *665 CY of Borrow Material for area sunken by earthquake*
- *7,200 CY of Excavation at taxiway crossing points*

- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

Given the flat site, no erosion is anticipated.

- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

No new impervious surfaces will be created.

- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

N/A

2. Air

- a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

Construction activities may result in short-term increases in fugitive dust and emissions from construction equipment.

- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

No off-site sources of emissions or odor will effect this proposal.

- c. Proposed measures to reduce or control emissions or other impacts to air, if any:

None required.

3. Water

a. Surface:

- 1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

No surface water body exists within the project site.

- 2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

No work will be required in any surface water body.

- 3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

N/A

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

No surface water withdrawals or diversions will be required.

5) Does the proposal lie within a 100-year floodplain? if so, note location on the site plan.

The project does not lie within a 100-year floodplain.

6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

No waste material will be discharged to surface waters.

b. Ground:

1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose, and approximate quantities if known.

No ground water will be withdrawn, nor will water be discharged to ground water. The new sub-drain system will intercept high groundwater to prevent saturation/damage to the runway base.

2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals...; agricultural; etc). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

N/A. King County International Airport is served by public sewers.

c. Water Runoff (including storm water):

1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

No change to the existing drainage system is proposed.

2) Could waste materials enter ground or surface waters? If so, generally describe.

Waste materials will not enter ground or surface waters.

d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:

None required.

4. Plants

a. Check or circle types of vegetation found on the site:

- ☐ deciduous tree: alder, maple, aspen, other
- ☐ evergreen tree: fir, cedar, pine, other
- ☐ shrubs
- ☒ grass
- ☐ pasture
- ☐ crop or grain
- ☐ wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
- ☐ water plants: water lily, eelgrass, milfoil, other
- ☐ other types of vegetation

b. What kind and amount of vegetation will be removed or altered?

Portions of the turf adjacent to the runway will be removed, and the area reseeded.

c. List threatened or endangered species known to be on or near the site.

No threatened or endangered species are known to be on or near Runway 13L-31R.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

No landscaping is proposed.

5. Animals

a. Circle any birds and animals which have been observed on or near the site or are known to be on or near the site.

birds: hawk, heron, eagle, songbirds, other
mammals: deer, bear, elk, beaver, other
fish: bass, salmon, trout, herring, shellfish, other

- b. List any threatened or endangered species known to be on or near the site.

No threatened or endangered species are known to be on or near Runway 13L-31R.

- c. Is the site part of a migration route? if so, explain.

The site is not part of a migration route.

- d. Proposed measures to preserve or enhance wildlife, if any:

None proposed.

6. Energy and Natural Resources

- a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

No change in energy requirements is anticipated.

- b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

The project will not impact the use of solar energy by adjacent properties.

- c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:

N/A

7. Environmental Health

- a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.

The proposed project is designed to increase the safety of the runway.

BLUE IS INSTRUCTIONS OR A PROMPT FOR A CHOICE.

RED IS EXAMPLE LANGUAGE

DATE: @

TO: PCSS Contract Specialist, Michael Williams

FROM: Cynthia Stewart, Airport Manager

RE: RFP @, @RFP name, @consultant's name

The purpose of this memorandum is authorize PCSS to forward to the Consultant for execution contract @number, based on the completed negotiations regarding the scope of work, schedule, lump sum / not to exceed contract price of \$@, and the remaining County contractual terms and conditions.

Staff has completed contract negotiations and has determined it to be in the best interest of the County to retain Reid Middleton Inc. to perform the services.

A. CONSULTANT SELECTION PROCESS

For a description of the selection process, please see the selection summary memo attached hereto

B. CONTRACT NEGOTIATIONS

1. Estimate – In the RFP, this contract was estimated at @.

OR

In the RFP, proposers were advised that this is a work order contract, with a not to exceed dollar amount of \$@ and that the independent estimates to be provided will be provided when specific work orders are developed.

2. Negotiated Price – This is a lump sum contract, the price terms were determined in accordance with the most recent State of Washington Guidelines for Determining A/E Fees for Public Works Building Projects. The fee breakdown correlating the work to the estimated level of effort for each task is attached to the contract as Exhibit @.

The total contract price is \$@.

OR

This is cost plus fixed fee contract. The proposed labor rates for the Consultant were higher in some positions than recommended by the Audit Report. We discussed the rates with cost price analyst and agreed that the rates they were proposing were acceptable for the following reasons:

Contract Authorization Memo

- a. The type of work the consultant is providing for, although not unique is clearly a different level of complexity and skill from other projects that Metro Transit has contracted recently.
- b. The salaries proposed were comparable to the Consulting Engineer's Council of Washington (CECW) salary survey for similar type and complexity of work. PBQD has provided a copy of the CECW Report.
- c. The higher rates were for some positions that will not charge much to the project at all. Labor rates for lower level staff were not included, but will be provided by PBQD. These rates are generally in line with expected ranges.
- d. The quantity of subconsultants required to perform this work is greater than the normal contract, requiring additional coordination by the prime.
- e. PBQD assures us that these rates are similar to those of their commercial market rate customers, and they are willing to provide that assurance in writing.

Overhead

Firm	Proposed	Recommended	Accepted	Note
PBQD	160.0	150.79	150.79	A
Hewett Architects	135.07	135.07	135.07	A
Pacific Rim Resources, Inc.	168.01	168.01	168.01	A
Huckell/Weinman	190.30	-	177.62	
C3 Management Group, Inc.	190.74	165.00	177.64	
Skilling, Ward, Magnusson, Barkshire, Inc.	225.00	165.00	185.00	
Shannon and Wilson	182.00	182.00	182.00	A
The Justen Company				B
Maria Barrientos				B

Note A -The proposed rate was accepted based on the recommendation in the cost analyst's report.

Note B - We will use burdened rates for these.

Profit/Fee

Firm	Proposed	Recommended	Accepted	Note
PBQD	12.0	12.0	12.0	A
Hewett Architects	11.0	11.0	11.0	B
Pacific Rim Resources, Inc.	10.0	10.0	10.0	C
Huckell/Weinman	10.8	10.0	10.0	C
C3 Management Group, Inc.	10.0	10.0	10.0	C

Skilling, Ward, Magnusson, Barkshire, Inc.	-	10.0	10.0	C
Shannon and Wilson	11.0	10.0	10.0	C
The Justen Company	-	-	-	D
Maria Barrientos	-	-	-	D

Note A - The proposed fee of 12 % was accepted based on the existing market conditions that are highly in demand of these types of services. The project type and complexity is similar to the fee rate paid under other contracts. PBQD is the prime consultant responsible for project management and successful delivery of the project.

Note B - The proposed fee of 11% is accepted based on the risk of the subconsultant, existing market conditions, project type and complexity of work. Hewett Architects is performing a significantly larger portion of this contract than the other subconsultants are.

Note C -For these subconsultants, we agreed to 10%.

Note D - We will use burdened rates for these.

The total contract value is a Not To Exceed price of \$@.

3. **Cost/Price Analysis** - As this is a lump sum contract negotiated in accordance with the Guidelines, no independent cost/price analysis is required.

OR

On @ (date), PBQD submitted its initial pricing for labor rates, overhead and fee. PCSS / or other cost analyst conducted a cost/price analysis. Additionally, the proposed rates were discussed with the Consultant during contract negotiation. Based on the cost/price analysis and the discussion, the staff has concluded the resulting rates have been deemed to be fair and reasonable. The Cost/Price analysis is in the project and procurement files.

OR

Because of the dollar value of this contract, (less than \$150,000) no cost price analysis was done.

4. **Schedule** -

This contract is a work order contract with a termination date of @ **(if applicable and was included in the rfp-** This contract may be extended for additional one / two years if the not to exceed amount has not be expended.) Schedules will be developed when specific work orders are issued.

OR

The County and the consultant have negotiated the schedule to complete the work as specified. The schedule is attached as part of Exhibit A – Scope of Work. All work is to be completed by the contract expiration date of @.

5. Other Contract Terms: - The Consultant has accepted the County's boilerplate terms and conditions as originally submitted in the draft contract.

Or

The Consultant requested the following changes to the County's boilerplate terms and conditions:

list the requested changes

The County accepted these changes. (if changes to insurance or indemnification, then need to state that Risk Management (RM) approved such changes include by whom and when)

6. Project Budget - There is budget appropriation currently available for services required under this contract. Each individual work order will identify specific project funding prior to authorization of the work.

OR

There is budget appropriation currently available for services required under this contract.

C CONTRACT AUTHORIZATION

The DCFM/Airport Division has reviewed the information submitted and recommends the County execute a contract with the Consultant pursuant to the negotiated terms and conditions described herein. PCSS is requested to send the final negotiated contract to the Consultant for its execution. It is anticipated that a Notice to Proceed will be issued (upon contract execution or @date). (need the following sentence if a work order contract) Specific schedules will be established for each work order as appropriate.

Attached to this memo is the Scope of Work, Project Schedule and Cost Summary.

OR

Under a separate cover, the Scope of Work, Project Schedule and Cost Summary will be sent to you.

CIP ROUTING SLIP

Project Name: Runway 13L-31 R Rehab

Project Number: 001294

1.0 Design

- ☐ 1.1 Proposal/RFP
- ☐ 1.2 Consultant Agreement
 - ☐ 1.2.1 Bonds/Insurance
 - ☐ 1.2.2 Amendments
 - ☐ 1.2.3 Contract Documents
- ☐ 1.3 Invoices/Progress Payments
- ☐ 1.4 Incoming Correspondence
- ☐ 1.5 Outgoing Correspondence
- ☐ 1.6 Record of Conversations (Phone/E-Mail)
- ☐ 1.7 Technical Reports
- ☐ 1.8 Drawings

2.0 Construction

- ☐ 2.1 Proposal/RFP
- ☐ 2.2 Contract
 - ☐ 2.2.1 Change Orders
 - ☐ 2.2.2 Contract Documents/Drawings
 - ☐ 2.2.3 Bonds/Insurance Certificates
 - ☐ 2.2.4 Permits/Licenses
- ☐ 2.3 Invoices/Progress Payment
- ☐ 2.4 Incoming Correspondence
- ☐ 2.5 Outgoing Correspondence
- ☐ 2.6 Record of Conversations (Phone/Email)
- ☐ 2.7 Quality Control/Technical Reports
- ☐ 2.8 Schedules
- ☐ 2.9 Record Documents (As-Built)
- ☐ 2.9.A O&M Manuals
- ☐ 2.9.B Photos
- ☐ 2.9.C Certified Payrolls/State Prevailing Wage Name: _____
- ☐ 2.9.D Field Notes (Misc)
- ☐ 2.9.E Submittal No. _____

3.0 Outside Agencies

- ☐ 3.1 Incoming Correspondence
- ☐ 3.2 Outgoing Correspondence
- ☐ 3.3 Record of Conversations (Phone/Email)
- ☐ 3.4 Internal Correspondence
- ☐ 3.5 Quality Control Reports
- ☒ 3.6 Technical Reports
- ☐ 3.7 External Funding Reports
- ☐ 3.8 Agreements / MOUs

4.0 County Force Design

- ☐ 4.1 Proposal/RFP/Scope of Work
- ☐ 4.2 Work Authorization/Blanket Agreement
- ☐ 4.3 Internal Correspondence
- ☐ 4.4 Record of Conversations (Phone/Email)
- ☐ 4.5 Technical Reports

5.0 County Force Administration

- ☐ 5.1 Internal Correspondence
- ☐ 5.2 Record of Conversations (Phone/Email)
- ☐ 5.3 Project Closeout
- ☐ 5.4 Field Notes (Misc)

Requested By & Date

Filed By & Date

JW 11/3/03
Jale 1-7-03

TIP ROUTING SLIP PLANNING

Project Name: _____

Project Number: _____

6.0 Planning

_____ 6.1 Project Scoping and Goals

_____ 6.2 Project Budget

_____ 6.3 Consultant Services

_____ 6.4 Proposal/RFP

_____ 6.5 Studies/Plans

_____ 6.5.1 Feasibility

_____ 6.5.2 Pre-Design

_____ 6.5.3 30 Percent Design

_____ 6.6 Coordination

_____ 6.6.1 Department

_____ 6.6.2 Agencies/Jurisdictions

_____ 6.6.3 Community

_____ 6.7 Correspondence

_____ 6.8 Technical Reports/Maps

_____ 6.9 Plans